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Corporate Technology

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From: Doug Crofoot

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Re: Monthly Report, Aug. 1998

FY'98 FINE FIBER CORE PROGRAM

Fine Fiber Core Plan

(Draft #2, 8/28/98)

Introduction

The fine fiber Core Technology program for FY'99 is expected to be a continuation of previous years efforts.

1. The program continues the development and support to the business units of emerging new fine fiber media that was begun in FY'98 with increased focus on high velocity / high loading applications that require a larger fiber support structure to the fine fiber network.
2. Demonstration of LH process improvements to increase capacity and uniformity using new fine fiber emitter technology will be extended to new polymers and transfer of this technology will be completed with the hand-off to AMT.
3. Technical infrastructure will be extended with the development of;
 - mathematical relationships of heat, mass transfer and the physical forces of fiber spinning,
 - continued and new polymer and resin developments
 - the ability to measure filtration performance of a moving web on a real time basis with the demonstration of the next generation on-line monitor.

I. Development of existing and emerging fine fiber media grades

Objective: Insure that new media grades developed over the earlier phases of the fine fiber program successfully transition to full scale production. Likely applications include;

[illegible]

III. Polymer Development

Objective: Provide a continuous stream of new polymers that address current and long range needs of fine fiber media for processability, material compatibility or other special requirements.

Deliverables

1. Continue support of the introduction of FP2X for GTS and engine applications.

Resources:

Doug Crofoot - Project Leader

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